

NAME:

If the following statements are true circle the T; if they are false circle the F.

1. T ☒ F Good soldering procedures states that solder is applied to the tip of the iron and then carried to the connection to be soldered.
2. ☒ T F Resin core solder is used in radio work.
3. ☒ T ☒ F Never use a cloth to wipe a soldering iron.
4. T ☒ F Solder will stick to dirty lugs and wire.
5. T ☒ F When a resistor is coded with four color bands the fourth band indicates its power rating.

Fill in the missing words or numbers.

6. On carbon resistors a SILVER fourth band means plus or minus 10%.

7. 0.3 megohm equals 300,000 ohms equals 300 kilohms.

8. 3000 mmfd. equals .003 mfd. equals .000003 farad.
.000 000 003

Each of the following questions or incomplete statements listed below is followed by several words, phrases, or numbers; you are to choose the one which answers the question or completes the statement. CIRCLE the letter of that word or phrase.

9. The preferred ratio of tin and lead in the solder used for electronic work is:

- a. 20/80 c. 40/60
b. 30/70 ☒ d. 60/40

10. Tinning the soldering iron is essential to :

- a. Prevent solder from burning.
b. Prevent the insulation on wires from burning.
c. Protect the heating elements.
☒ d. Insure an even and rapid flow of heat from the tip.

11. Diagonal pliers are primarily designed for:

- ☒ a. Cutting wires and other thin soft metal stock.
b. For turning twist drills.
c. For clamping objects which are to be cut.
d. For cutting sheet metal.

12. The tool to use for turning a splined hollow setscrew is the:

- ☒ a. Allen wrench. c. Phillips screwdriver.
b. Adjustable wrench. ☒ d. Bristol wrench.

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13. The meaning of the term kilo is:

- (a) One thousand. c. One one-thousandth.
b. One million. d. One one-millionth.

14. Always clean a file with:

- (?) (a) A chisel. c. A file handle
(b) A file card. d. Oil

15. Spaghetti is used in radio repair work for:

- (a) Insulating bare wire.
b. Lacing cables.
c. Making lock stitches.
(d) Terminating cables.

16. The physical size of a resistor is usually an indication of:

- a. Its resistance value in ohms.
(b) Its power rating.
c. Its tolerance.
d. none of the above.

17. Electric soldering irons are rated by:

- (a) Wattage. c. Length of tip.
b. Heat capacity. d. Length of iron.

Match the resistance value on the right to the proper color code on the left by placing the letter of the value in the space to the left of the color.

E Brown, black, orange

a. 27 ohms

D Green, blue, red

b. 120 ohms

G Yellow, violet, orange

c. 3900 ohms

I Red, red, yellow

d. ~~5600 ohms~~
~~560 ohms~~

F Orange, orange, orange

e. 10,000 ohms

J Blue, gray, green

f. 33,000 ohms

A Red, violet, black

g. 47,000 ohms

B Brown, red, brown

h. 150,000 ohms

C Orange, white, red

i. 220,000 ohms

K Brown, green, blue

j. 6.8 meg.

k. 15 meg.

